1646

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/831, 62/ASource: 1600Date Processed by STIC: REC

RECEIVED

FEB 01;

CFFICE OF PETITIONS

ENTERED

RECEIVED

JAN 3 1 2006

TECH CENTER 1600/2900



1600

DATE: 01/24/2006 RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,621A

TIME: 12:21:12 RECEIVED

Input Set : A:\NEU-119.P.1, Sequence Listing.txt

Output Set: N:\CRF4\01242006\I831621A.raw

FEB 0 1 2005

		I LD V I ZOC.
3	<110> APPLICANT: Baum, Peter	OFFICE OF DETITIONS
4	DuBose, Robert	CFFICE OF PETITIONS
5	Sims, John E.	Dro-
6	Youakim, Adel	RECEIVED
7	Hasel, Karl W.	-IVED
8	Hilbush, Brian S.	IAN a -
10	<120> TITLE OF INVENTION: Novel DNAs and Polypeptides	JAN 3 1 2006
	<130> FILE REFERENCE: 98664-A	
C> 14	<140> CURRENT APPLICATION NUMBER: US/09/831,621A	IECH CENTED 1600/000
C> 15	<141> CURRENT FILING DATE: 2001-05-10	TECH CENTER 1600/2900
17	<150> PRIOR APPLICATION NUMBER: 60/107821	
18	<151> PRIOR FILING DATE: 1998-11-10	
20	<160> NUMBER OF SEQ ID NOS: 33	
22	<170> SOFTWARE: PatentIn version 3.2	
24	<210> SEQ ID NO: 1	
25	<211> LENGTH: 137	
26	<212> TYPE: DNA	
27	<213> ORGANISM: Homo sapiens	
29	<400> SEQUENCE: 1	
30	ccggtaagta aacagtcaga aaattagcat gaaagcagtt tagcattggg	aggaagcaca 60
32	gatctctaga gctgtcctgt cgctgcccag gattgacctg tgtgtaagtc	ccaataaact 120
	cacctactca ccaaaaa	137
	<210> SEQ ID NO: 2	
	<211> LENGTH: 108	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 2	
	cggttcttga gcccagtaga tgccatttga agaaaaaaat cacttgaaaa 1	
	agaatggaaa ctaaatccta gctctaaagg caccaggctg attaaaaa	108
	<210> SEQ ID NO: 3	
	<211> LENGTH: 306	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 3	
	cggcttcagc agtatcgtgc caaagcagaa ctagctcgat ctaccagacc c	
	gttccaaggg aaaaattgcc cagaccactc accagcagtg cttcagctat t	_
	atgcggaaag cagaactcat ggggatcagt acagatatct ttccagtgga	
	actagttcta gtgtggatgg aaggagaaaa cataagcaac cagctctcac t	
	gtaaattatt attttgagag aaatatgcgc atgattcaaa ttcaggaaaa t	
	caaaaa // Caaaaaa // Caaaaaaa // Caaaaaa // Caaaaaaa // Caaaaaaaa	306
	<210> SEQ ID NO: 4 <211> LENGTH: 366	
	<211> LENGTH: 366 <212> TYPE: DNA	
0 9		

Input Set : A:\NEU-119.P.1, Sequence Listing.txt

70 <213> ORGANISM: Homo sapiens	
72 <400> SEQUENCE: 4	
73 cggccatgtg gytgctcggt cctkggttgc tcgcttgctg tgcaagacat tagcccttta	60
75 gttatgagcc tgtgggaact tcaggggttc ccagtgggga gagcagtggc agtgggaggc	120
77 atctgggggc caaaggtcag tggcaggggg tatttcagta ttatacaact gctgtggcca	180
79 gacttgtata ctggctgaat atcagtgctg tttgtaattt ttcactttga gaaccaacat	240
81 taattccata cgaatcaagt gttttgtaac tgctattcat ttattcagca aatatttatt	300
83 gatcatctct tctccataag atagtgtgat aaacacagtc atgaataaag ttatttccac	360
85 caaaaa .	366
88 <210> SEQ ID NO: 5	
89 <211> LENGTH: 324	
90 <212> TYPE: DNA	
91 <213> ORGANISM: Homo sapiens	
93 <400> SEQUENCE: 5	
94 cggccgacac tgggcttttt atgagagtga cagattacta ggacctcatt atgtggtaga	60
96 agtaatgtag gggaaatggc gattatcttt ttttaaaagc aatagctgtt gtatatcaat	120
98 gataaatgaa aaattagtta ttcttgtaaa ttgaagaaag aatggttatc atagagggta	180
100 gttcaagtaa aagaaccagg gctgggtgtg gtggctcacg ttctgtagtc cctgtacttt	240
102 gggaggccaa ggcagatgga tctcttgagg ccaggagttc gagaccagcc tgaccaacat	300
104 ggcgagaccg tgtctcccca aaaa	324
107 <210> SEQ ID NO: 6	
108 <211> LENGTH: 398 109 <212> TYPE: DNA	
110 <213> ORGANISM: Homo sapiens 112 <400> SEQUENCE: 6	
113 cggtggatga cagcccacgg gcggcacagt cacttctgcc tgttgctctg acaccaaccc	60
115 aggragetet getgtggett etectggget etggeattag ttggtetgtg teacattgte	120
117 agaacaggtg gcctgtgtgg tgccatcgag tccctgctgg ttccccttgt cctgggaggg	180
119 tcacccattg cccaaggaag tgcatccacc tggcaggtga cctggaggag tagcttcccc	240
121 gaggaccccc aggcttggcc tgtgattgcg caaacccaca tttcctaagc acactggaca	300
123 cccttcgagt gtgggtttta acatccctgt gagattgaat acttgtgcca cacatgtcac	360
125 aaaagagtat ggaaataaaa gaaaatttat ccgaaaaa	398
128 <210> SEQ ID NO: 7	
129 <211> LENGTH: 113	
130 <212> TYPE: DNA	
131 <213> ORGANISM: Homo sapiens	
133 <400> SEQUENCE: 7	
134 ccggtctatg gcattaaccc tcacttaact tttcagcctg ccagcctgcc ctatggattt	60
136 cggacttgcc agccacacaa ttccttaaaa taaatctctc cgtctcataa aaa	113
139 <210> SEQ ID NO: 8	
140 <211> LENGTH: 379	
141 <212> TYPE: DNA	
142 <213> ORGANISM: Homo sapiens	
144 <400> SEQUENCE: 8	
145 ccgggagctg tgaagggaac gtgagggggc ggcgtagtgg agacccacgg caggcctgaa	60
147 gaagagcggc ggccgagccc gccttccctg caccatgctc atagaggatg tggatgccct	120
149 caagteetgg etggeeaagt taetggagee gatatgtgat getgateett eageettage	180
151 caactatgtt gtagcactgg tcaagaagga caaacctgag aaagaattaa aagccttttg	240
153 tgctgatcaa cttgatgtct ttttacaaaa agaaacttca ggttttgtgg acaaactatt	300

Input Set : A:\NEU-119.P.1, Sequence Listing.txt

	157 160 161 162 163 165	tgaaagtctc tatactaaga actaccttcc accactagcc caagaaaaa <210> SEQ ID NO: 9 <211> LENGTH: 170 <212> TYPE: DNA <213> ORGANISM: Homo sapiens <400> SEQUENCE: 9				360 379
		cggctgcctg cctttttttc tgatccagac			- -	60
		attttacgca tcccatgaag cccagataca		-	aagaatcctg	120
		ctccactaag aatggtgcta aagtaaaact	agtttaataa	gccctaaaaa		170
		<210> SEQ ID NO: 10				
		<211> LENGTH: 60				
		<212> TYPE: DNA <213> ORGANISM: Homo sapiens				
		<400> SEQUENCE: 10				
		ccgggatatc gccactgcac tccagcctgg	ataacaaaac	gagactccgt	ctcagaaaaa	60
		<210> SEQ ID NO: 11	geguegguge	gagaccccgc	cccagaaaaa	00
		<211> LENGTH: 569				
	184	<212> TYPE: DNA				
	185	<213> ORGANISM: Homo sapiens				
	188	<220> FEATURE:				
		<221> NAME/KEY: misc_feature				
		<222> LOCATION: (527)(527)				
		<223> OTHER INFORMATION: n is a,	c, g, or t			
		<220> FEATURE:				
		<221> NAME/KEY: misc_feature	<i>/</i>			
		<222> LOCATION: (542)(542)				
		<223> OTHER INFORMATION: n is a, < <220> FEATURE:	c, g, or t			
		<221> NAME/KEY: misc feature				
		<222> LOCATION: (549)(549)				
		<223> OTHER INFORMATION: n is a,	c, q, or t			
		<220> FEATURE:	, ,,			
	204	<221> NAME/KEY: misc_feature	<u>/</u> *			
	205	<222> LOCATION: (556)(556)				
	206	<223> OTHER INFORMATION: n is a, o	c, g, or t			
		<400> SEQUENCE: 11				
		tcaatcctgg gcggcgacaa gacagctcta			_	60
		gctttcatgc taattttctg actgtttact i				120
		ttggttggtt ctcacatact ctctgggaag t				180
		ctggggacca tggccatggc ccaccacctg c				240
		cctttagtaa cctggagggg acccatcaca t				300
		ageogetgee tgactgagat atgececcag g				360 420
		cagggcaggg gaccatcacc agggaaagac t ctgggtctgt agtggagccg ctgtttcttc t				420
W>		tttctccatt ttcagctctt tctttcctg	_	_		540
		cnctctatnc ttccgncaat atattcttt		-333000		569
·		<210> SEQ ID NO: 12				
		<211> LENGTH: 612				

Input Set : A:\NEU-119.P.1, Sequence Listing.txt

			•				
	232	<212> TYPE: DNA					
	233	<213> ORGANISM: Homo s	apiens				
	235	<400> SEQUENCE: 12					
	236	cggcgacaag acagctctag	agatctgagc	ttcctcccaa	tgctaaactg	ctttcatgct	60
	238	aattttctga ctgtttactt	accgggtaag	agcgatggga	ctgttttcat	tggttggttc	120
	240	tcacatactc tctgggaagt	ttgggttctc	agggacacct	gctcctcagc	tggggaccat	180
		ggccatggcc caccacctgc					240
		ctggagggga cccatcacat					300
		gactgagata tgccccagg		-			360
		accatcacca gggaaagact		·			420
		gtggagccgc tgtttcttct	-				480
		tcagctcttt cttttcctgg		_			540
		tccgtcaata tattctttt					600
		agctggagtg ca		J J	JJJ		612
		<210> SEQ ID NO: 13					0 - 5
		<211> LENGTH: 618					
		<212> TYPE: DNA					
		<213> ORGANISM: Homo s	apiens				
		<220> FEATURE:	- ap z ozza				
		<221> NAME/KEY: misc f	eature			•	
		<222> LOCATION: (613).					
		<223> OTHER INFORMATIO		c. a. or t			
		<400> SEQUENCE: 13	α,	0, 5,, 01			
		cacgagetgt etggttatta	tacagacgca	taactggagg	taggatccac	acadeteada	60
		acagctggat cttgctcagt					120
		acatggaggg agctgctttg					180
		tccttggtgt gggagtgagg					240
		gtgggacaga tactggagat					300
		tggacccaga gagcagtatc					360
		gcacacagaa tctgctactc					420
		ctgctgaact gcccaggaat					480
		gacaaatgat catgaaagac					540
		ttctgaaaag agtttcctcg					600
>		gtgcccttgc aanatggg	ggcgaaaaag	caageeegag	gacaacacaa	gaaageeeee	618
		<210> SEQ ID NO: 14					010
		<211> LENGTH: 1044					
		<211> DENGIN: 1044 <212> TYPE: DNA					
		<213> ORGANISM: Homo s	aniens				
		<400> SEQUENCE: 14	apiciis				
		gaatttaata cgactcacta	tagggaattt	aacceteasa	acceeasett	aaaaaaaa	60
		caacaacaac aacaaaaaa			-		120
		caaaatatta cagccccttc					180
		gactacaaac agcctccacc			_		240
		cagatggggc tattttgccc					300
		tgtctacttg gggggagttg					360
		ctcaacatcc tgaaatgcac					420
		aaatgtcagc agtgtcacag	_	-		-	480
		tttcgggctc aggatctttt		_	_	_	540
	210	aggtaggtac agtccacaac	aaayaagaac	cigagitttt		LaalCagCCT	600

Input Set : A:\NEU-119.P.1, Sequence Listing.txt

320	ggtgccttta	gagctaggat	ttaqtttcta	ttctttctqt	ctcattttca	aqtqattttt	660
		ggcatctact	-	_			720
	•	tgtacacacc		— — -	_		780
		cacatccgga					840
		gagaaacgca					900
		aggctgttgc			-	-	960
		tctttactca				- -	1020
334	ccgcaagctt	attcccttta	gtga				1044
337	<210> SEQ	ID NO: 15					
338	<211> LENG	TH: 2577					
339	<212> TYPE	: DNA					
340	<213> ORGA	NISM: Homo	sapiens				
342	<400> SEQU	ENCE: 15					
343	ggtaccgggc	ccccctcga	ggtcgacggt	atcgataagc	ttgatatcga	attcgcggcc	60
345	gctgagaaat	taactccccg	gggccgccgg	gttgactgcg	ctgcctgggc	cggaggtctt	120
347	ctccggccag	ggagcgctgt	gggaaggggc	tcgagcggcc	agggccaggc	gaggccgggg	180
349	gggcgggggg	ttaggggacc	gcggggctac	tcttgggagc	gcccctgtcc	ggctggctgc	240
351	gcgccggttt	taaatagcat	ctttcggact	tgtcttcgcg	gccccagtcc	ccgacctcgg	300
353	cgctgcctgg	gctcctgcag	cctctcccta	agtcttctcc	aaacgaccac	ctcacggatt	360
		cgcagctcca					420
		tatgatagtt					480
		tgagaagagt		_		-	540
		tctgggagat					600
		agtccatgaa					660
		tgaaaactcc	-				720
		tgaactgtgt					780
		tattgtttgt					840
		agtaacacta					900
		agaccctcgc			_ _ _		960
		ctatttccat					1020
		ggatatagca					1080
		gtggaagaga			-	-	1140
		agagaagcaa				-	1200
		tgccaaagca					1260
		gcccagacca			-		1320
		catggggatc					1380
		tggaaggaga					1440
		gagaaatatg				=	1500
		taaattagag			_	_	1560
		agaagaacta					1620
		actaggcaga					1680
		gagaaaacca					1740
		ttatagttgt					1800
		ctgtaaacta					1860
		gaccaaaaac					1920
		agcagatatg					1980
		ggaaccagtg					2040
		aaacacgaga					2100
4 T 2	aacacyagga	aagagttcct	ayayayagaa	yacaaagaca	greedeted	caaaagaagc	2160

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/831,621A

DATE: 01/24/2006 TIME: 12:21:13

Input Set : A:\NEU-119.P.1, Sequence Listing.txt

Output Set: N:\CRF4\01242006\1831621A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; N Pos. 527,542,549,556 Seq#:13; N Pos. 613 VERIFICATION SUMMARY

DATE: 01/24/2006 TIME: 12:21:13

PATENT APPLICATION: US/09/831,621A

Input Set : A:\NEU-119.P.1, Sequence Listing.txt

Output Set: N:\CRF4\01242006\I831621A.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:480 L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:540 L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:600